

## Syndecan-4 Protein, Human (HEK293, His)

Cat. No.:	HY-P73623
Synonyms:	Ryudocan core protein; SDC 4; SYND 4; SYND4; syndecan 4
Species:	Human
Source:	HEK293
Accession:	P31431 (M1-E145)
Gene ID:	6385
Molecular Weight:	Approximately 15.3 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	Syndecan-4, a cell surface proteoglycan, emerges as a pivotal regulator of exosome biogenesis, working in collaboration with SDCBP and PDCCD6IP. It forms homodimers and engages in interactions with various proteins, including GIPC through its cytoplasmic domain and NUDT16L1. Syndecan-4 further interacts with CDCP1 and SDCBP, emphasizing its involvement in diverse cellular processes and signaling pathways. The complex interplay between Syndecan-4 and these interacting partners underscores its multifunctional role at the cell surface, suggesting potential contributions to exosome dynamics and other cellular activities.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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